



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	09/944328
				Filing Date	August 31, 2001
				First Named Inventor	Brig B. Elliott
				Art Unit	2131
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	BBNT-P01-134

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-6,678,379-B1	01/2004	Mayers et al	
	AB	US-6,507,012-B1	01/2003	Medard et al	
	AC	US-6,097,696-A	08/2000	Doverspike, Robert D.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

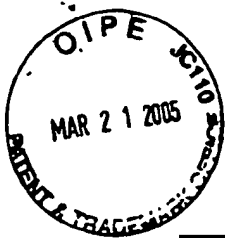
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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Examiner Signature		Date Considered	9/29/05
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	AA	US-20030231771-A1	12-18-2003	Gisin et al.	
	AB	US-5,764,767	06-09-1998	Beimel et al.	

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	CA	Cabello, A., "Multiparty key distribution and secret sharing based on entanglement swapping," pp. 1-8 (September 7, 2000).	
	CB	Crepeau, C., et al., "Secure Multi-party Quantum Computation," ACM, pp. 1-10 (20001).	
	CC	Gottesman, D., et al., "Secure quantum key distribution using squeezed states," pp. 1-19 (September 25, 2000).	
	CD	Xiao, L., et al., "Efficient Multi-Party Quantum Secret Sharing Schemes," pp. 1-7 (May 28, 2004).	

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Sheet 1 of 2

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Atty. Docket No. 00-4069		Serial No. Unassigned	
				Applicant Brig Barnum Elliott			
				Filing Date Herewith		Group Unassigned	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
OO	AA	5,243,649	9/7/93	Franson	380	9	
	AB	5,307,410	4/26/94	Bennett	380	21	
	AC	5,414,771	5/9/95	Fawcett, Jr.	380	44	
	AD	5,675,648	10/7/97	Townsend	380	21	
	AE	5,732,139	3/24/98	Lo et al.	380	28	
	AF	5,757,912	5/26/98	Blow	380	21	
	AG	5,764,765	6/9/98	Phoenix et al.	380	21	
	AH	5,768,378	6/16/98	Townsend et al.	380	21	
	AI	5,850,441	12/15/98	Townsend et al.	380	21	
	AJ	5,953,421	9/14/99	Townsend	380	21	
	AK	5,960,131	9/28/99	Fouquet et al.	385	17	
	AL	5,960,133	9/28/99	Tomlinson	385	18	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
OO	BA	DeBashis Basak, Daniel O. Awduche, John Drake and Yakov Redhter, Multi-protocol Lambda Switching: Issues in Combining MPLS Traffic Engineering Control with Optical Cross-connects, IETF Internet Draft Memo, http://www.ietf.org/shadow.html , February 2000, page 1-9.					
	BB	Daniel O. Awduche, Yakov Rekhter, John Drake and Rob Coltun, Multi-protocol Lambda Switching: Combining MPLS Traffic Engineering Control with Optical Crossconnects, IETF Internet Draft Memo, http://www.ietf.org/shadow.html , January 2001, pages 21.					
	BC	Charles H. Bennett and Gilles Brassard, Quantum Cryptography: Public Key Distribution and Coin Tossing, Intl. Conf. On Computers, Systems & Signal Processing, Bangalore, India, Dec. 10-12, 1984, 5 Pages.					
	BD	Donald S. Bethune and William P. Risk, Prototype Autocompensating Quantum Cryptography System Based on Polarization Splitting of Light, Session QC41, DCOMP/CCP99: Quantum Computing and Cryptography, 3/24/99 (4 pages).					
	BE	D.S. Bethune and W.P. Risk, An Autocompensating Fiber-Optic Quantum Cryptography System Based on Polarization Splitting of Light, IEEE Journal of Quantum Electronics, Vol. XX, No. Y, 1999.					
	BF	Graham P. Collins, Quantum Cryptography Defies Eavesdropping, Physics Today, Nov. 1992, page 21-23.					
Examiner <i>Genise Jant</i>					Date Considered 9/29/05		
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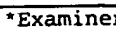
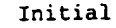
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicant
Brig Barnum Elliott

Filing Date
Herewith

Group
Unassigned




U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	AM	5,966,224	10/12/99	Hughes et al.	359	112	
	AN	6,005,993	12/21/99	MacDonald	385	16	
	AO	6,130,780	10/10/00	Jaonnopoulos et al.	359	584	
	AP	6,154,586	11/28/00	MacDonald et al.	385	18	
	AQ	5,339,182	8/16/94	Kimble et al.	359	112	
	AR	5,911,018	6/8/99	Bischel et al.	385	16	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BG	L.Y. Lin, E.L. Goldstein and R.W. Tkach, Free-Space Micromachined Optical Switches for Optical Networking, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, January/February, 1999.
	BH	S. Eisenberg and R. Boger, Lucent Technologies names Cherry Murray Physical Sciences Research Vice President, http://www.lucnet.com/press/0300/000328.bla.html , March 28, 2000 (2 Pages).
	BI	Simon J.D. Phoenix, Stephen M. Barnett, Paul D. Townsend and K.J. Blow, Multi-user Quantum Cryptography on Optical Networks, Journal of Modern Optics Letter, Vol. 42, No. 6, 1995, pages 1155-1163.
	BJ	Laser End-Point Detection System, IBM Technical Disclosure Bulletin, Vol. 28, No. 7, December 1985, Pages 3151-3163.
	BK	E. Rosen, A. Viswanathan and R. Callon, Multiprotocol Label Switching Architecture, Internet Standards Track Protocol, Internet Official Protocol Standards (STD 1), January 2001, Pages 1-61.
	BL	P.D. Townsend, J.G. Rarity and P.R. Tapster, Enhanced Single Photon Fringe Visibility in a 10 km-Long Prototype Quantum Cryptography Channel, Electronics Letters, Vol. 29, No. 14, July 8, 1993, pages 1291-1293.
	BM	P.D. Townsend, Secure Key Distribution System Based on quantum Cryptography, Electronics Letters, Vol. 30, No. 10, May 12, 1994, pages 809-811.
	BN	P.D. Townsend, J.G. Rarity and P.R. Tapster, Single Photon Interference in 10km Long Optical Fiber Interferometer, Electronics Letters, Vol. 29, No. 7, April 1, 1993, page 634-635.
	BO	James A. Walker, Telecommunications Applications of MEMS, mstnews, March 2000, Page 6-9.

Examiner

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